ABSTRACT

A device for controlling cylinder disconnection in internal combustion engines, with a control device which permits in one of its two switching states an actuation of the valve concerned, with transmission devices which, in dependence on the switching state of the control device, transmit the cam stroke to the valve, and with a control unit acting on the control device. This provides a high switch over reliability with only small requirements for the changeover technology used. For this, the device has a data memory for the detection of the time course of the movement behavior of the gas exchange valves of cylinders of the internal combustion engine, and a data processing unit which provides a combination of gas exchange valves into valve groups with regard to a common activation or deactivation.